


## ARULRAJ.T

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### Objective:

To be a successful professional in a dynamic and challenging environment and strive hard for the growth of the organization and self.

### PROFESSIONAL SUMMARY:

10+ Years of experience in designing automobiles components for various automobile industries.

### EDUCATION:

- **MASTER OF TECHNOLOGY (MACHINE DESIGN) (2011-2013) -8.61 (CGP)**  
VEL TECH DR.RR & DR.SR TECHNICAL UNIVERSITY.AVADI.CHENNAI
- **BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING (2005-2008) -69%**  
EINSTEIN COLLEGE OF ENGINEERING.TIRUNELVELI, ANNA UNIVERSITY,  
CHENNAI
- **DIPLOMA IN MECHANICAL ENGINEERING (2002-2005) -73.42%**  
M.S.P.V.L POLYTECHNIC COLLEGE, PAVOORCHATRAM (TECHNICAL  
EDUCATION)
- **HIGHER SECONDARY (2000-2002)-62.42%**  
GOVT HIGHER SECONDARY SCHOOL, SERNDAMANGALAM

### ORGANIZATIONAL EXPERIENCE:

**Company :** TECH MAHINDRA LTD.( Mitsubishi Mahindra Agricultural Machinery co. Ltd)

**Position :** Manager.

**Duration :** October 2018 to till date.

**Location :** Matsue Shimane, Japan

**Company :** TECH MAHINDRA LTD.(Mahindra & Mahindra Ltd)

**Position :** Deputy Manager.

**Duration :** May 2013 to September 2018.

**Position :** Assistant Manager.

**Duration :** May 2011 to Aug 2013.

**Company :** SIMPSON&CO LIMITED.

**Position :** Design Engineer.

**Duration :** September 2010 to April 2011.

**Company :** JMC AUTOMOTIVE DESIGN AND DEVELOPMENT.

**Position :** Design Engineer.

**Duration :** June 2008 to August 2010.

### **ROLES AND RESPONSIBILITIES:**

- Discuss with the styling team to finalize the A-Surface & split line for engineering.
- Creating an envelope for styling input & to finalize the under flash, over flash for joinery.
- Preparing the fit and finish sheet for the plant production vehicle.
- Design and detail engineering of Hood assembly, Firewall assembly, Radiator sealing, Headlamp bezel etc.
- Discuss with other aggregate and finalizing new concepts.
- Design and detail engineering of Sheet metal & Plastic parts.
- Engineering the component while taking care of DFA, DFM and Defects like Sink marks and War page etc.
- To check the pair clearance and global clearance for assembly.
- Good understanding of 2-D manufacturing drawing generation and GD&T, tolerance stacking.
- To check the 3D layout and freezing the layout on the team center.
- Discuss with CDMM and supplier to resolving the manufacturing issues.
- Managing the fitment trial of newly developed parts also checking the functional parameters.
- Creation on EBOM of sheet metal parts.
- Creation on Parts catalog & operator manual.
- Preparation of Add-Delete of Vehicle group related parts for BOM preparation.
- Participation in ORC meeting as representative of the proto shop.
- Worked in the project that involved the conversion of 2 wheel drive to 4 wheel drives.
- Co-ordinate for various types of testing (Lab testing and Field testing).
- Business case preparation for new projects.
- Responsible for the Revenue coordinator for body engineering aggregate.
- Responsible for the ISMS coordinator for body engineering aggregate.

### **SOFTWARE SKILLS:**

#### **CAD Tools:**

CATIA V5R21, UG, Creo, AUTOCAD 2007, PMD with AutoCAD

## **PROJECTS HANDLED:**

### **1. New Product development**

Pan India visited customer's voice has been visited/collected and the house of quality was prepared for an agriculture product.

Benchmarking was studied with MNC's features and the same has been deployed in the new product.

(Styling sheet preparation, Front grills design).

New product development to address the customer intent and ease of service. Headlamp Bezel, Scuttle assembly, Sealing's and firewall assembly has been done during the design stage itself. (This will be launched next year).

### **1. New vehicle development for 2021 launch @ Mitsubishi Mahindra Ltd , Japan.**

Involved in the whole responsibility for BEA related Design for 2 platforms (Subcompact and compact models). Assist in managing the product development process from the concept phase to Product launch.

### **2 Jivo Domestic vehicle.**

This project involves to prepared the ADD/DELETE list, Design the all BEA related parts, Attended the CDT meetings, Closed the proto shop ORC's, Gen-I, II ORC's, Field and Assembly line ORC's.

### **3 4025 4WD Interim US Export vehicle.**

This project involves to prepared the ADD/DELETE list , Design the all BEA related parts, Attended the CDT meetings, Closed the proto shop ORC's, Gen-I, II ORC's, Field and Assembly line ORC's.

### **4 Tier IV <50 HP & >50 HP**

To resolve the bonnet assembly alignment issue in existing model and accommodate for Tier IV changes.

### **5 Design of interior trims for Armored Stallion cab**

**Client : Ashok Leyland.**

**Environment : Pro-E Wildfire-3,CATIA V5R17**

This project involves the design of trims for armored cab, which accomplishes parts such as, Windscreen trim, Roof trim with hatch, Rear Rail trim, Quarter trim LH&RH, Door trim with cover etc.

## **6 Design of Dashboard for FAT 6\*6 .**

**Client : Ashok Leyland**  
**Environment : Pro-E Wildfire-3**

In this project we achieve the modularity. Dash parts like center console, glove box inner & outer and dash ends fitments are conceptualize and designed.

### **PROFESSIONAL TRAINING:**

Participated Three months Training in **PLASTICS MOULD DESIGN WITH AUTOCAD** at **CIPET, Chennai**

### **AWARD AND ACHIEVEMENTS:**

- Patten for CTR bellows design.
- Got innovation award for jivo product.
- Got Design registration for simple latch concept for jivo.
- Submitted for paper presentation for CTR.

### **PERSONAL DETAILS:**

**Date of Birth : 04-02-1984**  
**Father's Name : V.THIRUNAVUKKARASU,**  
**Languages Known : Tamil, English**  
**Hobbies : Listening music, gardening**  
**Visa : 5 years work permit visa at japan**

### **PRESENT ADDRESS:**

Japan 6990110, Shimane ken,  
Matsue shi, Higashiizumo cho,  
Nishikishinmachi 1-7-15  
Kuranshario E201

### **PERMANENT ADDRESS:**

Krishnan kovil st,  
Velappanadaroor,  
Serndamaram post,  
Sankarankovil TK,  
Tirunelveli dist-627 857

**Date :**

**Place :**

**(ARULRAJ.T)**